

2007
ON-ROAD MOBILE SOURCE
EPIODIC EMISSION
INVENTORIES FOR THE
DALLAS-FORT WORTH
37-COUNTY MODELING
DOMAIN

VOLUME II

Transportation Department
North Central Texas Council of Governments

PREFACE

The purpose of the series entitled On-Road Mobile Source Episodic Emission Inventories for the Dallas-Fort Worth 37-County Modeling Domain documents the methods and procedures used to develop on-road mobile source emission inventories to support State Implementation Plan (SIP) development. Due to the extensive and detailed nature of the reporting process that is required for emission inventories, two volumes are required.

Volume I, 1995/96 & 1999 On-Road Mobile Source Episodic Emission Inventories for the Dallas-Fort Worth 37-County Modeling Domain, (Dated September 4, 1998) documents the on-road mobile source episodic emission inventories for multi-day baseline episodes in 1995 and 1996 and multi-day forecasted episodes in 1999. A total of six compact discs (CD) were submitted as part of Volume I documentation.

Volume II, 2007 On-Road Mobile Source Episodic Emission Inventories for the Dallas-Fort Worth 37-County Modeling Domain, (Dated June 18, 1999) documents the on-road mobile source episodic emission inventories for multi-day forecasted episodes in 2007. The single CD accompanying this submittal only contains electronic data specific to the 2007 episodic inventory.

ABSTRACT – VOLUME II

TITLE: 2007 On-Road Mobile Source Episodic
Emission Inventories for the Dallas-Fort
Worth 37-County Modeling Domain

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ABSTRACT: This report documents the methods and
procedures used to develop 2007 Episodic
On-Road Mobile Source Emission
Inventories for the Dallas-Fort Modeling
Domain. Discussion of each step in the
inventory process is presented, including
estimation of vehicle miles of travel,
derivation of MOBILE5a_h emission factors,
and spatial and temporal allocation of
emissions. Volatile organic compound,
carbon monoxide, and nitrogen oxide
emissions are inventoried for a 37-county
area including the ozone nonattainment
counties of Collin, Dallas, Denton, and
Tarrant.

TABLE OF CONTENTS

VOLUME I

	Page
I. INTRODUCTION	I-1
Background	I-3
Purpose and Scope of Study	I-4
Core Counties	I-6
Perimeter Counties	I-7
II. 1995 AND 1996 ON-ROAD MOBILE SOURCE EPISODIC EMISSION INVENTORY	II-1.1
II-1. Vehicle Miles of Travel Estimation Procedure	II-1.1
Core Counties	II-1.1
Dallas-Fort Worth Regional Travel Model.....	II-1.1
Spatial and Temporal Allocation of Vehicle Miles of Travel.....	II-1.22
Perimeter Counties.....	II-1.31
Highway Performance Monitoring System Data	II-1.31
Speed Estimation Procedure.....	II-1.32
II-2. Emission Factor Estimation Procedure	II-2.1
Emission Factor Model	II-2.1
Development of MOBILE5a_h Model Inputs	II-2.1
Core Counties	II-2.2
Perimeter Counties	II-2.2
Time Periods.....	II-2.3
Temperatures	II-2.8
Core Counties	II-2.8
Perimeter Counties	II-2.12
VMT Mix	II-2.19
Core Counties	II-2.20
Perimeter Counties	II-2.22
Vehicle Registration Distributions	II-2.22
Core Counties	II-2.22
Perimeter Counties	II-2.26
Inspection/Maintenance Program	II-2.26
Core Counties	II-2.26
Perimeter Counties	II-2.27
Anti-Tampering Program	II-2.27
Core Counties	II-2.27
Perimeter Counties	II-2.28
Trip Length Fractions.....	II-2.29
Core Counties	II-2.29
Perimeter Counties	II-2.29

TABLE OF CONTENTS

	Page
Reformulated Gasoline	II-2.31
Core Counties	II-2.31
Perimeter Counties	II-2.31
Reid Vapor Pressure	II-2.31
Core Counties	II-2.32
Perimeter Counties	II-2.32
Local Area Parameter Record	II-2.33
Core Counties	II-2.33
Perimeter Counties	II-2.33
Scenario Section	II-2.34
Operating Mode Fractions	II-2.34
Core Counties	II-2.34
Perimeter Counties	II-2.35
Final Mobile5a_h Input Files	II-2.35
Commute VMT Emission Factor Adjustments.....	II-2.35
II-3. Temporal and Spatial Allocations of Emissions	II-3.1
Core Counties	II-3.1
Link-Based Emission Allocation Methodology	II-3.1
Nonrecurring Congestion	II-3.2
Zone-Based Emissions Allocation Methodology	II-3.3
Hot Soak Emissions	II-3.3
Diurnal Emissions	II-3.13
Perimeter Counties.....	II-3.19
Roadway Type-Based Emission Estimation and Allocation Methodology	II-3.20
Evaporative Emissions Estimation and Allocation Methodology	II-3.20
II-4. Summary: 1995 and 1996 Emission Estimates	II-4.1
III. 1999 ON-ROAD MOBILE SOURCE EPISODIC EMISSION INVENTORY	III-1
III-1. Pivot Point Methodology.....	III-1.1
1999 Bottom-Up Episodic Inventory	III-1.2
Episode Dates.....	III-1.2
Episode-Specific Adjustment Factors	III-1.3

TABLE OF CONTENTS

	Page
III-2. Vehicle Miles of Travel Estimation Procedure.....	III-2.1
Core Counties	III-2.1
Dallas-Fort Worth Regional Travel Model.....	III-2.1
Spatial and Temporal Allocation of Vehicle Miles of Travel.....	III-2.5
Perimeter Counties.....	III-2.7
Highway Performance Monitoring System Data	III-2.7
Speed Estimation Procedure.....	III-2.9
III-3. Emission Factor Estimation Procedure	III-3.1
Development of MOBILE5a_h Model Inputs.....	III-3.2
VMT Mix.....	III-3.7
Core Counties	III-3.7
Perimeter Counties	III-3.7
Inspection/Maintenance Program	III-3.10
Core Counties	III-3.10
Perimeter Counties	III-3.10
Anti-Tampering Program	III-3.11
Core Counties	III-3.11
Perimeter Counties	III-3.11
Evaporative Emission Control System Pressure Test.....	III-3.12
Core Counties	III-3.12
Perimeter Counties	III-3.13
Final 1999 Mobile5a_h Input Files.....	III-3.13
Commute VMT Emission Factor.....	III-3.14
III-4. Temporal and Spatial Allocations of Emissions	III-4.1
Core Counties	III-4.1
Link-Based Emission Allocation Methodology	III-4.1
Nonrecurring Congestion	III-4.2
Zone-Based Emissions Allocation Methodology	III-4.3
Hot Soak Emissions	III-4.3
Diurnal Emission	III-4.5
Perimeter Counties.....	III-4.7
Roadway Type-Based Emission Estimation and Allocation Methodology	III-4.7
Evaporative Emissions Estimation and Allocation Methodology	III-4.8
III-5. Summary of 1999 Emissions Estimates	III-5.1

TABLE OF CONTENTS

	Page
III-6. Episode Specific Adjustment Factor Determination	III-6.1
Methodology	III-6.1
IV. 1995/96 & 1999 ELECTRONIC DATA	IV-1
V. 1995/96 & 1999 APPENDIX	V-1
A. DFWRTM and HPMS Vehicle Miles of Travel Comparison	A.1
B. Core County Vehicle Miles of Travel Estimates	B.1
C. Core County Average Loaded Speed Estimates	C.1
D. Perimeter County HPMS Vehicle Miles of Travel Data	D.1
E. 1995 and 1996 24-Hour Core County MOBILE5a_h Input Files	E.1
F. Core County Emission Summary	F.1
G. Core County VOC Emission Summary	G.1
H. Hot Soak Emissions Flow Chart	H.1
I. Core County Hot Soak Emission Summary	I.1
J. Core County Hot Soak Time-of-Day Emission Summary	J.1
K. Core County Diurnal Emissions by County	K.1
L. Core County Diurnal Time-of-Day Emission Summary	L.1
M. Perimeter County Emission Summary	M.1
N. Perimeter County Hot Soak Emission Summary by Episode	N.1
O. Perimeter County Diurnal Emission Summary by Episode	O.1
P. 1995 Emissions Summary by County	P.1
Q. 1996 Emissions Summary by County	Q.1
R. Core County Emission Summary	R.1
S. Core County VOC Emission Summary	S.1
T. County Hot Soak Emission Summary	T.1
U. County Hot Soak Time-of-Day Emission Summary	U.1
V. Core County Diurnal Emissions by County	V.1
W. Core County Diurnal Time-of-Day Emission Summary	W.1
X. Perimeter County Emission Summary	X.1
Y. 1995 Average Loaded Speeds	Y.1
Z. 1999 Emission Factors by County	Z.1

VOLUME II

VI. 2007 ON-ROAD MOBILE SOURCE EPISODIC EMISSION INVENTORY	VI-1
VI-1. Pivot Point Methodology	VI-1.1
2007 Bottom-Up Episodic Inventory	VI-1.2
Episode Dates	VI-1.2

TABLE OF CONTENTS

	Page
Episode-Specific Adjustment Factors	VI-1.3
Application of Adjustment Factors	V1-1.4
VI-2. Vehicle Miles of Travel Estimation Procedure.....	VI-2.1
Core Counties	VI-2.1
Dallas-Fort Worth Regional Travel Model.....	VI-2.1
Spatial and Temporal Allocation of Vehicle Miles of Travel.....	VI-2.5
Perimeter Counties.....	VI-2.6
Highway Performance Monitoring System Data	VI-2.8
Speed Estimation Procedure.....	VI-2.8
VI-3. Emission Factor Estimation Procedure	VI-3.1
Development of MOBILE5a_h Model Inputs.....	VI-3.2
National Low Emitting Vehicle Standard.....	VI-3.7
Core Counties	VI-3.7
Perimeter Counties	VI-3.8
Heavy-Duty Diesel Engine Standards	VI-3.8
VMT Mix	VI-3.8
Core Counties	VI-3.8
Perimeter Counties	VI-3.9
Inspection/Maintenance Program	VI-3.9
Core Counties	VI-3.9
Perimeter Counties	VI-3.12
Anti-Tampering Program	VI-3.12
Core Counties	VI-3.12
Perimeter Counties	VI-3.13
Evaporative Emission Control System Pressure Test.....	VI-3.13
Core Counties.....	VI-3.13
Perimeter Counties	VI-3.14
Final 2007 Mobile5a_h Input Files	VI-3.15
Commute VMT Emission Factor.....	VI-3.15
VI-4. Temporal and Spatial Allocations of Emissions	VI-4.1
Core Counties	VI-4.1
Link-Based Emission Allocation Methodology	VI-4.1
Nonrecurring Congestion	VI-4.2
Zone-Based Emissions Allocation Methodology.....	VI-4.3
Hot Soak Emissions.....	VI-4.3
Diurnal Emission	VI-4.5

TABLE OF CONTENTS

	Page
Perimeter Counties.....	VI-4.7
Roadway Type-Based Emission Estimation and Allocation Methodology	VI-4.7
Evaporative Emissions Estimation and Allocation Methodology	VI-4.8
VI-5. Summary of 2007 Emissions Estimates	VI-5.1
VI-6. Episode Specific Adjustment Factor Determination	VI-6.1
Methodology	VI-6.1
VII. 2007 ELECTRONIC DATA.....	VII-1
VIII. 2007 APPENDIX	VIII-1
A. Core County Vehicle Miles of Travel Estimates	A.1
B. Core County Average Loaded Speed Estimates.....	B.1
C. Perimeter County HPMS Vehicle Miles of Travel Data.....	C.1
D. MOBILE5 Information Sheet #6	D.1
E. MOBILE5 Information Sheet #5	E.1
F. 2007 24-Hour Core County MOBILE5a_h Input Files	F.1
G. 2007 Emission Factors by County	G.1
H. Core County Emission Summary.....	H.1
I. Core County VOC Emission Summary	I.1
J. Core County Hot Soak Emission Summary	J.1
K. Core County Hot Soak Time-of-Day Emission Summary	K.1
L. Core County Diurnal Emissions by County	L.1
M. Core County Diurnal Time-of-Day Emission Summary	M.1
N. Perimeter County Emission Summary	N.1
O. Perimeter County Hot Soak Emission Summary by Episode	O.1
P. Perimeter County Diurnal Emission Summary by Episode.....	P.1
Q. 2007 Emissions Summary by County	Q.1

**LIST OF EXHIBITS
VOLUME I**

		Page
I-1	North Central Texas Urban Airshed Modeling Domain	I-5
I-2	1995 Episode Emissions Summary	I-8
I-3	1996 Episode Emissions Summary	I-9
I-4	June 1999 (Monday-Friday) Episode Emissions Summary	I-10
I-5	July 1999 (Sunday-Thursday) Episode Emissions Summary.....	I-11
II-1.1	Vehicle Miles of Travel Summary	II-1.1
II-1.2	Transportation and Air Quality Planning Areas	II-1.3
II-1.3	Sequential Travel Demand Forecasting Process.....	II-1.6
II-1.4	NCTCOG Travel Forecast.....	II-1.13
II-1.5	1995 Model Validation By Functional Class.....	II-1.14
II-1.6	1995 Socioeconomic Data	II-1.16
II-1.7	1995 Travel-Related Characteristics (Weekday)	II-1.17
II-1.8	Vehicle Miles of Travel – Tables 1-3.....	II-1.19
II-1.8	Vehicle Miles of Travel – Tables 4-5.....	II-1.20
II-1.9	Vehicle Miles of Travel by Functional Class	II-1.24
II-1.10	Average Loaded Speeds by Functional Class	II-1.25
II-1.11	1995 and 1996 VMT Adjustment Factors	II-1.26
II-1.12	Vehicle Miles of Travel by County	II-1.27
II-1.13	Average Loaded Speeds by County	II-1.28
I-1.14	Fifteen Time Periods for Temporal Allocation	II-1.29
II-1.15	Temporal Vehicle Miles of Travel Distribution.....	II-1.30
II-1.16	Highway Performance Monitoring System (HPMS) Data, 1995 Vehicle Miles of Travel (1,000s)	II-1.33

**LIST OF EXHIBITS
VOLUME I**

		Page
II-1.17	Highway Performance Monitoring System (HPMS) Data, 1996 Vehicle Miles of Travel (1,000s)	II-1.34
II-1.18	Average Daily Speed Estimates	II-1.35
II-2.1	Time Periods for Emission Factor Development.....	II-2.3
II-2.2	Core Urban Temperatures by Hour of the Day, 1995 Episode (June 19-23).....	II-2.9
II-2.3	Core Rural Temperatures by Hour of the Day, 1995 Episode (June 19-23).....	II-2.10
II-2.4	Core Urban Temperatures by Time Period, 1995 Episode (June 19-23).....	II-2.11
II-2.5	Core Rural Temperatures by Time Period, 1995 Episode (June 19-23).....	II-2.13
II-2.6	Core Urban Temperatures by Hour of the Day, 1996 Episode (June 30-July 4)	II-2.14
II-2.7	Core Rural Temperatures by Hour of the Day, 1996 Episode (June 30-July 4)	II-2.15
II-2.8	Core Urban Temperatures by Time Period, 1996 Episode (June 30-July 4)	II-2.16
II-2.9	Core Rural Temperatures by Time Period, 1996 Episode (June 30-July 4)	II-2.17
II-2.10	Core and Perimeter County Ambient Temperatures, 1995 Episode (June 19-23) and 1996 Episode, (June 30-July 4)	II-2.18
II-2.11	Vehicle Classification Equivalency Table	II-2.20
II-2.12	Vehicle Miles of Travel (VMT) Mix, Core Urban Counties and Core Rural Counties.....	II-2.21
II-2.13	Vehicle Miles of Travel (VMT) Mix, Perimeter County	II-2.23
II-2.14	Vehicle Registration Distribution for Core Urban Counties	II-2.24
II-2.15	Vehicle Registration Distribution for Core Rural and Perimeter Counties.....	II-2.25

**LIST OF EXHIBITS
VOLUME I**

		Page
II-2.16	VMT by Trip Purpose	II-2.30
II-2.17	Reid Vapor Pressure Summary	II-2.32
II-3.1	1995 Regional Validation Zone Structure	II-3.4
II-3.2	Employment Zone Hot Soak Emissions, June 19, 1995 (24-hour).....	II-3.8
II-3.3	Population Zone Hot Soak Emissions, June 19, 1995 (24-hour).....	II-3.9
II-3.4	Hot Soak Emissions Time-of-Day 3 (7-8 a.m.), June 19, 1995 Episode	II-3.10
II-3.5	Hot Soak Emissions Time-of-Day 13 (5-6 p.m.) June 19, 1995 Episode	II-3.11
II-3.6	Employment Zone Diurnal Emissions June 19, 1995 (24-hour)	II-3.15
II-3.7	Population Zone Diurnal Emissions, June 19, 1995 (24-hour)	II-3.16
II-3.8	Diurnal Emissions Time-of-Day 3 (7-8 a.m.), June 19, 1995 Episode	II-3.17
II-3.9	Diurnal Emissions Time-of-Day 11 (3-4 p.m.) June 19, 1995 Episode	II-3.18
II-4.1	1995 Episode Emissions Summary	II-4.2
II-4.2	1996 Episode Emissions Summary	II-4.3
II-4.3	Base Emissions (Tons) (No Emission Inventory Adjustments)	II-4.4
II-4.4	Local Street Emissions Adjustment	II-4.5
II-4.5	Non-Recurring Congestion Adjustment	II-4.6
II-4.6	Highway Performance Monitoring System Adjustment	II-4.7
II-4.7	VOC Hot Soak and Diurnal Emissions	II-4.8
II-4.8	Link-Based and Evaporative Emission Totals.....	II-4.9
III-1.1	1999 Episodic Inventory: Episode Dates	III-1.3
III-1.2	Inventory Approach 1999 Episode Summaries.....	III-1.3

**LIST OF EXHIBITS
VOLUME I**

		Page
III-2.1	1999 Vehicle Miles of Travel Summary	III-2.2
III-2.2	Dallas-Fort Worth Regional Travel Demand Model (Monday) June 1999 Vehicle Miles of Travel, Core Counties and Rockwall	III-2.6
III-2.3	Dallas-Fort Worth Modeling Domain, Perimeter Counties Highway Performance Monitoring System (HPMS) Data 1993-1999 Vehicle Miles of Travel (1,000s) (AADT).....	III-2.8
III-2.4	Dallas-Fort Worth Modeling Domain, Perimeter Counties Highway Performance Monitoring System (HPMS) Data 1999 Vehicle Miles of Travel (1,000s) (AADT and AAWT).....	III-2.10
III-2.5	Dallas-Fort Worth Modeling Domain, Perimeter Counties Highway Performance Monitoring System (HPMS) Data June 1999 Vehicle Miles of Travel.....	III-2.11
III-2.6	Dallas-Fort Worth Modeling Domain, Perimeter Counties Highway Performance Monitoring System (HPMS) Data July 1999 Vehicle Miles of Travel (1,000s)	III-2.12
III-3.1	Dallas-Fort Worth Modeling Domain Vehicle Miles of Travel (VMT) Mix, Core Urban and Rural Counties	III-3.8
III-3.2	Dallas-Fort Worth Modeling Domain Vehicle Miles of Travel (VMT) Mix, Perimeter Counties	III-3.9
III-5.1	June 1999 (Monday-Friday) Episode Emissions Summary	III-5.2
III-5.2	July 1999 (Sunday-Thursday) Episode Emissions Summary.....	III-5.3
III-5.3	Perimeter Counties, Emissions Summary by County (Monday) June 1999	III-5.4
III-5.4	Perimeter Counties, Emissions Summary by County (Tuesday) June 1999	III-5.5
III-5.5	Perimeter Counties, Emissions Summary by County (Wednesday) June 1999	III-5.6
III-5.6	Perimeter Counties, Emissions Summary by County (Thursday) June 1999	III-5.7
III-5.7	Perimeter Counties, Emissions Summary by County (Friday) June 1999	III-5.8

**LIST OF EXHIBITS
VOLUME I**

		Page
III-5.8	Perimeter Counties, Emissions Summary by County (Sunday) July 1999	III-5.9
III-5.9	Perimeter Counties, Emissions Summary by County (Monday) July 1999.....	III-5.10
III-5.10	Perimeter Counties, Emissions Summary by County (Tuesday) July 1999.....	III-5.11
III-5.11	Perimeter Counties, Emissions Summary by County (Wednesday) July 1999.....	III-5.12
III-5.12	Perimeter Counties, Emissions Summary by County (Thursday) July 1999	III-5.13
III-6.1	Vehicle Miles of Travel by Functional Class	III-6.4
III-6.2	1999 Episode-Specific VMT Adjustment Factors by Functional Class.....	III-6.5
III-6.3	1999 Pivot Point Episode Specific Emission Factor Adjustments Tuesday, June 1999 Emission Factor Adjustments.....	III-6.6
III-6.4	1999 Pivot Point Episode Specific Emission Factor Adjustments Wednesday, June 1999 Emission Factor Adjustments.....	III-6.7
III-6.5	1999 Pivot Point Episode Specific Emission Factor Adjustments Thursday, June 1999 Emission Factor Adjustments.....	III-6.8
III-6.6	1999 Pivot Point Episode Specific Emission Factor Adjustments Friday, June 1999 Emission Factor Adjustments.....	III-6.9
III-6.7	1999 Pivot Point Episode Specific Emission Factor Adjustments Sunday, June 1999 Emission Factor Adjustments.....	III-6.10
III-6.8	1999 Pivot Point Episode Specific Emission Factor Adjustments Monday, July 1999 Emission Factor Adjustments	III-6.11
III-6.9	1999 Pivot Point Episode Specific Emission Factor Adjustments Tuesday, July 1999 Emission Factor Adjustments	III-6.12
III-6.10	1999 Pivot Point Episode Specific Emission Factor Adjustments Wednesday, July 1999 Emission Factor Adjustments	III-6.13
III-6.11	1999 Pivot Point Episode Specific Emission Factor Adjustments Thursday, July 1999 Emission Factor Adjustments	III-6.14

**LIST OF EXHIBITS
VOLUME II**

		Page
VI-1.1	2007 Episodic Inventory: Episode Dates	VI-1.3
VI-1.2	Inventory Approach 2007 Episode Summaries.....	VI-1.3
VI-2.1	2007 Vehicle Miles of Travel Summary	VI-2.2
VI-2.2	Dallas-Fort Worth Regional Travel Demand Model (Monday) June 2007 Vehicle Miles of Travel, Core Counties and Rockwall	VI-2.7
VI-2.3	Dallas-Fort Worth Modeling Domain, Perimeter Counties Highway Performance Monitoring System (HPMS) Data 2007 Vehicle Miles of Travel (1,000s) (AADT).....	VI-2.9
VI-2.4	Dallas-Fort Worth Modeling Domain, Perimeter Counties Highway Performance Monitoring System (HPMS) Data 2007 Vehicle Miles of Travel (1,000s) (AADT and AAWT).....	VI-2.10
VI-2.5	Dallas-Fort Worth Modeling Domain, Perimeter Counties Highway Performance Monitoring System (HPMS) Data June 2007 Vehicle Miles of Travel (1,000s).....	VI-2.11
VI-2.6	Dallas-Fort Worth Modeling Domain, Perimeter Counties Highway Performance Monitoring System (HPMS) Data July 2007 Vehicle Miles of Travel (1,000s)	VI-2.12
VI-3.1	Dallas-Fort Worth Modeling Domain Vehicle Miles of Travel (VMT) Mix, Core Urban and Rural Counties	VI-3.10
VI-3.2	Dallas-Fort Worth Modeling Domain Vehicle Miles of Travel (VMT) Mix, Perimeter Counties	VI-3.11
VI-5.1	June 2007 (Monday-Friday) Episode Emissions Summary	VI-5.2
VI-5.2	July 2007 (Sunday-Thursday) Episode Emissions Summary.....	VI-5.3
VI-6.1	Vehicle Miles of Travel by Functional Class	VI-6.3
VI-6.2	2007 Episode-Specific VMT Adjustment Factors by Functional Class.....	VI-6.4
VI-6.3	2007 Pivot Point Episode Specific Emission Factor Adjustments Tuesday, June 2007 Emission Factor Adjustments	VI-6.6
VI-6.4	2007 Pivot Point Episode Specific Emission Factor Adjustments Wednesday, June 2007 Emission Factor Adjustments	VI-6.7
VI-6.5	2007 Pivot Point Episode Specific Emission Factor Adjustments Thursday, June 2007 Emission Factor Adjustments.....	VI-6.8

**LIST OF EXHIBITS
VOLUME II**

	Page
VI-6.6	2007 Pivot Point Episode Specific Emission Factor Adjustments Friday, June 2007 Emission Factor Adjustments..... VI-6.9
VI-6.7	2007 Pivot Point Episode Specific Emission Factor Adjustments Sunday, June 2007 Emission Factor Adjustments..... VI-6.10
VI-6.8	2007 Pivot Point Episode Specific Emission Factor Adjustments Monday, July 2007 Emission Factor Adjustments VI-6.11
VI-6.9	2007 Pivot Point Episode Specific Emission Factor Adjustments Tuesday, July 2007 Emission Factor Adjustments VI-6.12
VI-6.10	2007 Pivot Point Episode Specific Emission Factor Adjustments Wednesday, July 2007 Emission Factor Adjustments VI-6.13
VI-6.11	2007 Pivot Point Episode Specific Emission Factor Adjustments Thursday, July 2007 Emission Factor Adjustments VI-6.14
VI-6.12	Dallas-Fort Worth Modeling Domain, Core Counties Temporal Vehicle Miles of Travel Distribution (VMT Time Periods) VI-6.15
VI-6.13	Dallas-Fort Worth Modeling Domain, Perimeter Counties Time of Day Episode Specific VMT Adjustment Factors..... VI-6.16
VI-6.14	Application of Adjustment Factors VI-6.17
VI-6.15	Dallas-Fort Worth Modeling Domain, Core Counties Hot Soak Episode Specific Adjustment Factors..... VI-6.19
VI-6.16	Dallas-Fort Worth Modeling Domain, Core Counties Diurnal Episode Specific Adjustment Factors VI-6.20

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